



Part Number: 1012A

Thermocouple Extension, (4 pr) 20 AWG Solid Type KX, PVC/PVC, Foil Shld, CMG

Product Description

Four 20 AWG pairs solid Type KX conductors, PVC insulation, overall Beldfoil® shield (100% coverage), PVC jacket.

Product Specifications

Technical Specifications

Construction and Dimensions

Conductor:

AWG	Stranding	Material	No. of Pairs
20	Solid	Chromel	2
20	Solid	Alumel	2
Total Number of Conductors:			9

Insulation:

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.016 in

Color Chart 1:

Number	Color
1	Yellow & Red and Numbered 1
2	Yellow & Red and Numbered 2
3	Yellow & Red and Numbered 3
4	Yellow & Red and Numbered 4

Innershield:

Type	Material	Material Trade Name	Coverage [%]	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum Foil-Polyester Tape	Beldfoil®	100 %	22	7x30 mm
				TC - Tinned Copper	

Outershield 1:

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum Foil-Polyester Tape	Beldfoil®	100 %	TC - Tinned Copper	20	7x28 mm

Outerjacket 1:

Material	Nominal Diameter	Ripcord
PVC - Polyvinyl Chloride	0.383 in	Yes

Print Legend:	BELDEN 1012A E34972 4PR20 1C22 THCPL EXTN KX SHIELDED (UL) CMG 105C OR PLTC OR ITC SUN RES DIR BUR OR AWM 2464 80C 300V OR C(UL) CMG ---- FT4 IEEE1202 (2 FT, 7 DIGIT SEQUENTIAL NUMBER) FEET
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Electrical Characteristics

Conductor DCR:

Individual Pair Nominal Shield DCR	Nominal Outer Shield DCR
10.6 Ohm/1000ft	6.8 Ohm/1000ft

Use

Suitability - Burial:	Yes
Suitability - Sunlight Resistance:	Yes
Max Recommended Pulling Tension:	159 lbs

Safety

UL Flammability:	UL1685 FT4 Loading
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Temperature Range

Non-UL Temp Rating:	105°C
Operating Temp Range:	-30°C To +105°C

Mechanical Characteristics

Min Bend Radius/Minor Axis:	3.9 in
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Part Number

Plenum (Y/N):	No
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Standards

ANSI Compliance:	ANSI Specification
CA Prop 65 (CJ for Wire & Cable):	CA Prop 65 (CJ for Wire & Cable)
CEC/C(UL) Specification:	CEC/C(UL) Specification
CSA AWM Specification:	CSA Specification
IEEE Specification:	IEEE Specification
MII Order #39 (China RoHS):	MII Order #39 (China RoHS)
NEC/(UL) Specification:	NEC/(UL) Specification
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	EU CE Mark

History

Notes:	Chromel & Alumel = "Chromel and Alumel are Hoskins Manufacturing Company trademarks."
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Product Variants

Part Number	Color	Put-Up Type	Length
1012A 0045000	YELLOW	Reel	5000 ft

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